

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
23 December 2004 (23.12.2004)

PCT

(10) International Publication Number  
**WO 2004/110945 A1**

- (51) International Patent Classification<sup>7</sup>: C03C 13/06, D04H 1/42, C03C 23/00, 25/00
- (21) International Application Number: PCT/EP2004/006345
- (22) International Filing Date: 11 June 2004 (11.06.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
0313763.5 13 June 2003 (13.06.2003) GB  
0317989.2 31 July 2003 (31.07.2003) GB  
03255160.8 20 August 2003 (20.08.2003) EP
- (71) Applicant (for all designated States except US): ROCK-WOOL INTERNATIONAL A/S [DK/DK]; 584 Hov-edgaden, DK-2640 Hedehusene (DK).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): JENSEN, Soren, Lund [DK/DK]; Tordenskjoldsgade 23, 2.th., DK-1055 Kobenhavn K (DK).
- (74) Agent: GILL JENNINGS & EVERY; Broadgate House, 7 Eldon Street, London EC2M 7LH (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/110945 A1

(54) Title: MINERAL FIBRE PRODUCTS

(57) Abstract: The properties of mineral fibres comprising silicon, magnesium, calcium, iron, aluminium and oxygen atoms are improved by exposure to a heat treatment under oxidising conditions which causes migration of MgO, thereby creating an outer layer with increased concentrations of MgO. Batts and other fibrous products containing the fibres have increased resistance to shrinkage and sintering.